Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) An image display device, comprising:

a display unit;

a resolution conversion device that makes image data for a plurality of pixels from ~~each pixel of~~ original image data for each pixel and generates resolution-converted image data including the image data of the plurality of made pixels;

a viewing angle range adjustment device that sets grayscale values of each pixel of the resolution-converted image data so that the grayscale values of each pixel differs from an adjacent ~~pixels~~pixel in a vertical direction or in a horizontal direction of the resolution-converted image data ~~are different from each other~~; and

a display device for displaying the resolution-converted image data on the display ~~unit~~unit;

wherein in a case that a vertical observation direction to a surface of the display unit is a 0 degree observation direction, the viewing angle range adjustment device sets grayscale value of one of the pixel and the adjacent pixel based on display characteristics of a -30 degrees observation direction and sets grayscale value of the other one of the pixel and the adjacent pixel based on display characteristics of a +30 degrees observation direction.

2.   (Original) The image display device according to Claim 1, the viewing angle range adjustment device setting the difference between grayscale values of the adjacent pixels in the vertical direction to be more than a predetermined grayscale value.

3.   (Canceled)

4.   (Currently Amended) The image display device according to ~~Claim 3~~Claim 1, the viewing angle range adjustment device comprising:

a lookup table that stores the display characteristics of the display unit; and

a device that determines the grayscale value of each pixel with reference to the lookup table.

5.   (Currently Amended) An image display device, comprising:

a display unit;

a resolution-conversion device that makes image data for a plurality of pixels from original image data for each pixel and generates resolution-converted image data including the image data of the plurality of made pixels;

a viewing angle range adjustment device that sets grayscale values of each pixel of the resolution-converted image data so that the grayscale values of each pixel differs from an adjacent pixel in a vertical direction or in a horizontal direction of the resolution-converted image data; and

a display device for displaying the resolution-converted image data on the display unit;

wherein the each pixel has sub pixels corresponding to a plurality of colors; and

the viewing angle range adjustment device adjusts a viewing angle range for each color of the plurality of colors by setting the grayscale value of one sub pixel of the sub pixels to a different grayscale value than the other sub pixels after a resolution conversion. ~~The image display device according to Claim 1, the viewing angle range adjustment device setting the grayscale values of sub pixels constituting each pixel of the resolution-converted image data such that adjacent sub pixels in the vertical direction have different grayscale values.~~

6.   (Currently Amended) The image display device according to Claim 5, <u>each</u> <u>sub pixel corresponding to each color of R, G, and B;</u>

_____<u>the viewing angle range adjustment device comprising:</u>

a lookup table that stores display characteristics of the display unit for each color of R, G, and B; and

a device that determines the grayscale values of the sub pixels for each color with reference to the lookup table.

7.   (Currently Amended) <u>An image display device, comprising:</u>

_____<u>a display unit;</u>

_____<u>a resolution conversion device that makes image data for a plurality of pixels</u> <u>from original image data for each pixel and generates resolution-converted image data</u> <u>including the image data of the plurality of made pixels;</u>

_____<u>a viewing angle range adjustment device that sets grayscale values of each</u> <u>pixel of the resolution-converted image data so that the grayscale values of each pixel differs</u> <u>from an adjacent pixel in a vertical direction or in a horizontal direction of the resolution-</u> <u>converted image data;</u>

_____<u>a display device for displaying the resolution-converted image data on the</u> <u>display unit; and</u> ~~The image display device according to Claim 1, further comprising:~~

an input unit that receives a command to select one of a wide viewing angle range and a narrow viewing angle range, the display device displays the resolution-converted image data adjusted by the viewing angle range adjustment device if the wide viewing angle range mode is selected and displays the resolution-converted image data not adjusted by the viewing angle range adjustment device if the narrow viewing angle range mode is selected.

8.   (Currently Amended) An image display method to be executed in an image display device with a display unit, comprising:

making image data for a plurality of pixels from ~~each pixel of~~ original image data for each pixel and generating resolution-converted image data including the image data of the plurality of made pixels;

setting ~~a grayscale~~grayscale ~~value~~values of each pixel of the resolution-converted image data so that the grayscale values of each pixel differs from an adjacent ~~pixels~~pixel in ~~the~~a vertical direction or in a horizontal direction of the resolution-converted image data ~~are different from each other~~; and

displaying the resolution-converted image data on the display ~~unit~~unit; wherein

each pixel has sub pixels corresponding to a plurality of colors; and further comprising:

adjusting a viewing angle range for each color of the plurality of colors by setting the grayscale value of one sub pixel of the sub pixels to a different grayscale value than the other sub pixels after a resolution conversion.

9.   (Currently Amended) An image display program stored on a recordable medium to be executed in ~~the~~an image display device having a display unit and a computer, the image display program making the computer function as:

a resolution conversion device that makes image data for a plurality of pixels from ~~each pixel of~~ original image data for each pixel and generates resolution-converted image data including the image data of the plurality of made pixels;

a viewing angle range adjustment device that ~~sets a~~sets grayscale ~~value~~values of each pixel of the resolution-converted image data so that the grayscale values of ~~the~~

adjacenteach pixelspixel differs from an adjacent pixel in thea vertical direction or in a horizontal direction of the resolution-converted image data are different from each other; and

a display device that displaysfor displaying the resolution-converted image on the display unitunit; wherein

each pixel has sub-pixels corresponding to a plurality of colors; and

the viewing angle range adjustment device adjusts a viewing angle range for each color of the plurality of colors by setting the grayscale value of one sub pixel of the sub pixels to a different grayscale value than the other sub pixels after a resolution conversion.

10.   (New) An image display method to be executed in an image display device with a display unit, comprising:

making image data for a plurality of pixels from original image data for each pixel and generating resolution-converted image data including the image data of the plurality of made pixels;

setting grayscale values of each pixel of the resolution-converted image data so that the grayscale values of each pixel differs from an adjacent pixel in a vertical direction or in a horizontal direction of the resolution-converted image data; and

displaying the resolution-converted image data on the display unit; wherein

in a case that a vertical observation direction to a surface of the display unit is a 0 degree observation direction, setting grayscale value of one of the pixel and the adjacent pixel based on display characteristics of a -30 degrees observation direction and setting grayscale value of the other one of the pixel and the adjacent pixel based on display characteristics of a +30 degrees observation direction.

11.   (New) An image display program stored on a recordable medium to be executed in an image display device having a display unit and a computer, the image display program making the computer function as:

a resolution-conversion device that makes image data for a plurality of pixels from original image data for each pixel and generates resolution-converted image data including the image data of the plurality of made pixels;

a viewing angle range adjustment device that sets grayscale values of each pixel of the resolution-converted image data so that the grayscale values of each pixel differs from an adjacent pixel in a vertical direction or in a horizontal direction of the resolution-converted image data; and

a display device for displaying the resolution-converted image data on the display unit; wherein

in a case that a vertical observation direction to a surface of the display unit is a 0 degree observation direction, the viewing angle range adjustment device sets grayscale value of one of the pixel and the adjacent pixel based on display characteristics of a -30 degrees observation direction and sets grayscale value of the other one of the pixel and the adjacent pixel based on display characteristics of a +30 degrees observation direction.